



Project: Alaska Copper Works

Inspection Date: 3/25/2020

Project No.: 19ACW1

Technician: David DuBois

System Performance:

Was system running during the inspection? ☐ Yes ☒ No

Flow Rates (gpm)	Influent	<u>85</u>	Effluent	<u>150</u>	The flows should be ~155 gpm
Bag Filter #1 Pressures (psi)	Influent	<u>12</u>	Effluent	<u>10</u>	The bag filters should be replaced if differential pressure > 8 psi
Bag Filter #2 Pressures (psi)	Influent	<u>10</u>	Effluent	<u>10</u>	
Carbon Filter Pressures (Lead)	Influent	<u>8</u>	Effluent	<u>6</u>	The carbon filters should be backflushed if differential pressure > 8 psi
Carbon Filter Pressures (Lag)	Influent	<u>4</u>	Effluent	<u>0</u>	

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No issues
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No issues
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Ok
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No leaks
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No issues
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Ok
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<2 gallons 10% Caustic 35 gallons 25% Caustic
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Ok
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Verified - ok



Water Sampling:

Were water samples taken? ☐ Yes ☒ No

Raw water: pH 6.51 Turbidity 8.63 NTU

Bag Filter Influent pH 8.03 Turbidity 12.9 NTU

Bag Filter Effluent pH 7.99 Turbidity 7.91 NTU

Carbon Filter Influent pH 7.12 Turbidity 3.06 NTU

Carbon Filter Effluent pH 7.10 Turbidity 2.45 NTU

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

Decant Tank: _____

Treatment tank: _____

Backflush tank: _____

Main lift station: _____

North lift station: _____

South lift station: _____

Additional Comments, Recommendations and System Upsets:

4 unused filters remaining onsite.

Replaced 2" backflush check valve with ball valve to mitigate future check valve bypassing into backflush tank.

David DuBois

Technician

Project Lead Technician

Title

3/25/2020

Date

Submit